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M E M O R A N D U M
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TO: The Board of Oil, Gas and Mining

FROM: Thomas J. Suchoski, Reclamation Hydrologist

SUBJECT: Martin-Marrietta Cement, Western Division
Leamington Cement Plant
Leamington, Utah
ACT/023/004

DATE: February 25, 1980

The Division of Oil, Gas and Mining has reviewed the Mining and Reclamation Plan submitted by Martin-Marrietta Cement, Western Division for the Leamington Cement Plant and feels that the plan meets all requirements of the Utah Mined Land Reclamation Act. The Division seeks the Board's concurrence so that tentative approval may be issued. In addition, the Division seeks the Board's concurrence with the form and amount of the surety. Also, the Division seeks the Board's concurrence on issuance of final approval pending no adverse public comment and suitable surety arrangements. Enclosed for your review and information is an Executive Summary.

TJS/te

Attachment

EXECUTIVE SUMMARY

MARTIN-MARRIETTA CEMENT
WESTERN DIVISION

LEAMINGTON CEMENT PLANT
ACT/023/004

Sections 32 & 33, Township 14S., Range 3W.
Sections 3, 4 & 5, Township 15S., Range 3W.
Juab County, Utah

LOCATION:

The proposed limestone and quartzite quarries and the cement plan sites are located approximately 5 miles northeast of Leamington, Utah on Highway 132 in Sections 3, 4, 5, 32 and 33, Township 14 and 15 South, Range 3 West, Juab County. Although this will be a new operation, the area has been mined in the past. Refer to the attached map for exact location.

SOILS AND GEOLOGY:

Mining will take place in the Tintic Quartzite and a Cambrian undivided limestone. Soils in the area are mainly alluvial sediments. They are generally well drained, permeability is moderate, runoff is moderate and sediment production is high.

HYDROLOGY:

The normal average annual precipitation for this area is approximately 14 inches. Runoff from the surface facilities should not be a problem since the operations will be located above the flood plain for the Sevier River.

ECOLOGY:

Vegetation in the area is generally sparse. Species common to the area are pinyon-juniper, sagebrush, rabbitbrush, Indian ricegrass, and several unidentified grasses and forbs. The principle use of the area is rangeland, which would have a poor stocking capacity.

STRUCTURES AND FACILITIES:

The quarry sites will consist of 273 acres. This includes access roads, waste dust disposal area, drainage structures, and the limestone and quartzite quarries. The total acreage of the limestone quarry is 177 acres, the quartzite quarry is seven acres, and the waste dust disposal area is 44 acres. The roads, drainage and transport facilities will make up the difference.

The manufacturing area and raw materials stockpile will consist of approximately 45 acres.

Surface facilities and structures consist of an intermediate crusher, overland conveyor, raw stockpile, reclaim conveyor, plant facilities, shop, finished product conveyor, finished stockpile, rail loadout facilities.

MINING AND RECLAMATION:

Martin-Marrietta Cement, Western Division has committed to the following:

During Operations:

1. Mining will be conducted in a safe, orderly, and minerlike fashion and in such a manner as to minimize visual and environmental degradation.
2. Prior to the construction, available topsoil will be removed and stockpiled for redistribution on disturbed surface areas at the time of reclamation.
3. Mining will be open pit mining with cut benches and will disturb approximately 228 acres with support facilities.
4. The raw materials will be stockpiled at the site until required for use in the cement processing plant.
5. The process plant and mine operation should employ approximately 300 persons at their peak.

After Operations:

1. All extraneous debris, scrap metal and wood, and unuseable buildings will be removed from the site.
2. The mine quarries will be benched to a 45° slope and will be protected at the top by berms to prevent accidental entry.
3. The developmental wasterock stockpile will be recontoured to a stable slope and the surrounding area will be contoured to prevent water ponding.
4. The manufacturing area will be cleared and returned to a grazing condition.
5. Stockpiled topsoil will be respread over the disturbed surfaces to the extent possible and all areas will be scarified, broadcast seeded with a diverse seed mixture, and drag covered.
6. All disturbed ares will be monitored and reseeded if necessary.

IMPACTS:

Since this areas has been previously mined and since this area has a low productivity and esthetic value initially, any activity according to the mining and reclamation plan submitted by Martin-Marrietta Cement should have no significant impact.

SURETY:

Reclamation surety for this operation was estimated by the Fish Lake National Forest to be \$386,000.00. This is broken down to \$11,000.00 to reclaim roads, \$275,000.00 to reclaim quarries and \$100,000.00 to reclaim plant site.

It is planned at the present time for the Fish Lake Forest to hold the bond with a written agreement with the Division to not release the bond until reclamation is completed to the satisfaction of both the Forest Service and the Division.

APPLICATION HISTORY:

December 15, 1979

Division received application forms and supplementary materials for the Leamington Cement Plant.

January 11, 1980

Division completed cursory review and sent comments to Martin-Marrietta.

February 8, 1980

Division recieved response to comments.

February 19, 1980

Division field inspected the site.

February 25, 1980

Division completed review and prepared Executive Summary.

